

KANSAS CITY AREA TRANSPORTATION AUTHORITY (KCATA)

Performance Based Planning and Transit



KCATA

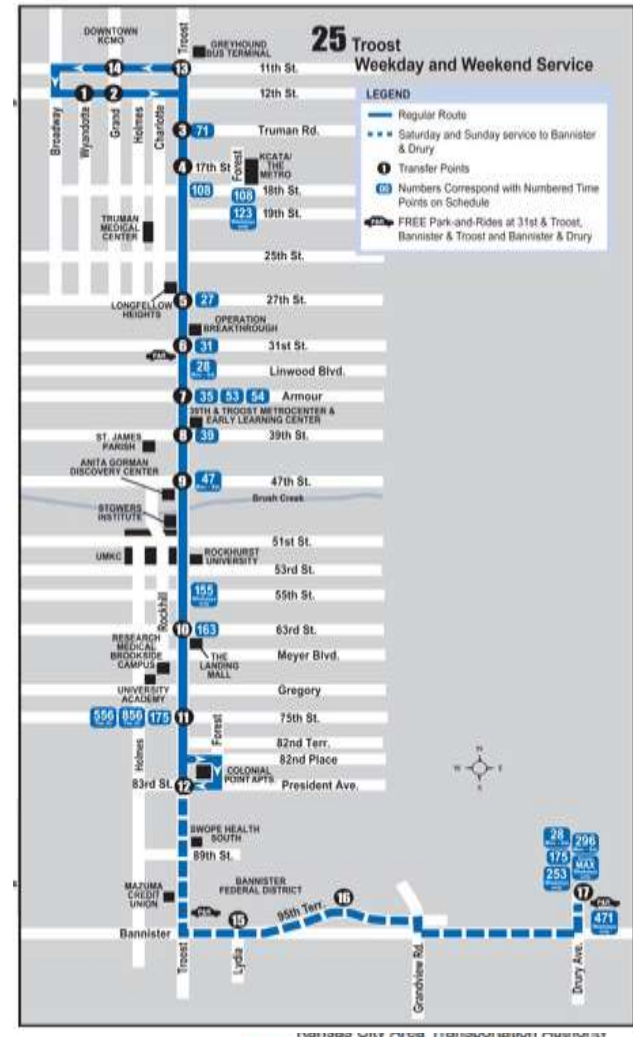
- **Independent Regional Transit Authority**
- **Bi-state Compact**
- **Bus & BRT Only**
- **70 Routes**
- **15 Million Annual Trips**



Transit Planning Focus

Operations: System Performance

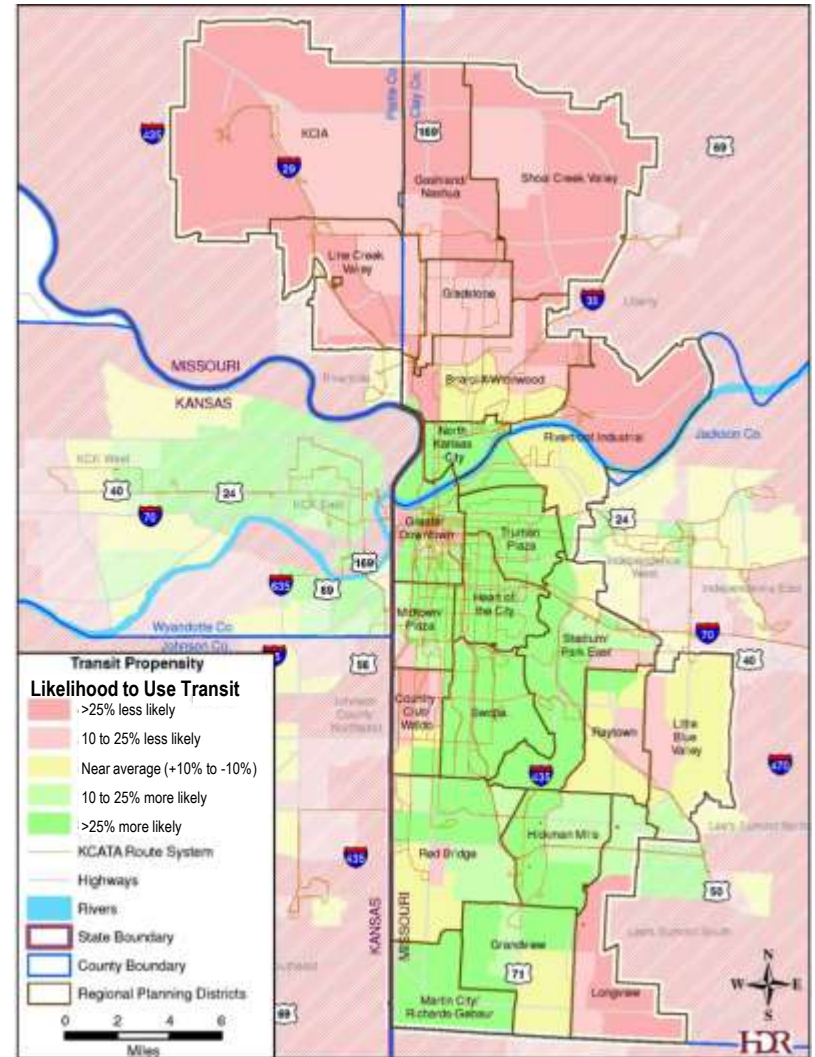
- **Optimize Existing Service**
 - Highest Priority
 - Balance Costs, Ridership & Political Factors
- **Revise / Expand Service**
 - Meet Changing Demands
 - Respond to Population & Demographic Shifts



Measuring Transit Demand

Transit Propensity Index

- Likelihood to Use Transit
- Simplified Index vs. Ridership Forecasts



Transit Planning Focus

Capital: Assets and Infrastructure

- **SGR Transit Infrastructure**
 - Maint. & Service Facilities
 - Transit Centers, Park & Rides
- **Passenger Amenities**
 - Shelters, Security, Stop Information, Access, ITS, etc.
- **New Corridor Projects**
 - Infrastructure & Service
 - Rail, BRT, Bus & Stops



KCATA Planning Horizons

- **Improve Existing Transit Operations & Performance**
 - 3 to 18 Months
- **Expand/Reduce Services**
 - Up to 3 Years
- **Capital Project Planning**
 - 1 to 5 Years
- **Corridor Planning**
 - 5 to 20 years



Sources of Planning Data

Source of Data

- **Transit Operations**

- System Performance
- Route Monitoring

**Internally Generated
Industry Comparisons**

- **Infrastructure SGR**

**Internal Assessments
Industry Standards**

- **New/Expanded Service**

KCATA, Region, City, State

- **Passenger Needs**

Internal & Survey

- **Corridor Planning**

**Study Generated (Census,
MPO, City, ATA)**

Needed Performance Data Not Currently Measured

- **SGR Assessment System**
 - Improve Internal System
 - Regional Multi-Modal SGR
- **Corridor Infrastructure**
 - Condition of Sidewalk, Curb Ramps, Stops, etc.
 - Inventory Roadways w/Extensive Transit



Needed Performance Data Not Currently Measured

- **Level of Unmet Demand**
 - Underserved communities
- **Transit's Indirect Benefits**
 - Measureable vs. Anecdotal
 - TOD / Econ. Development
 - Impacts on Congestion
- **Quality of Life & Transit**
 - Sustainability & Livability Indices?



Regional Performance Measures

Collaboration on Common Factors

- **Include Roadways with High Transit Use**
 - Performance on Factors Impacting Transit
 - Signal Delay to Transit
 - Bus Stops Conditions
 - Pedestrian Access
- **Benefits of Greater Modal Choice in a Corridor**



KCATA's MPO & DOT Experience

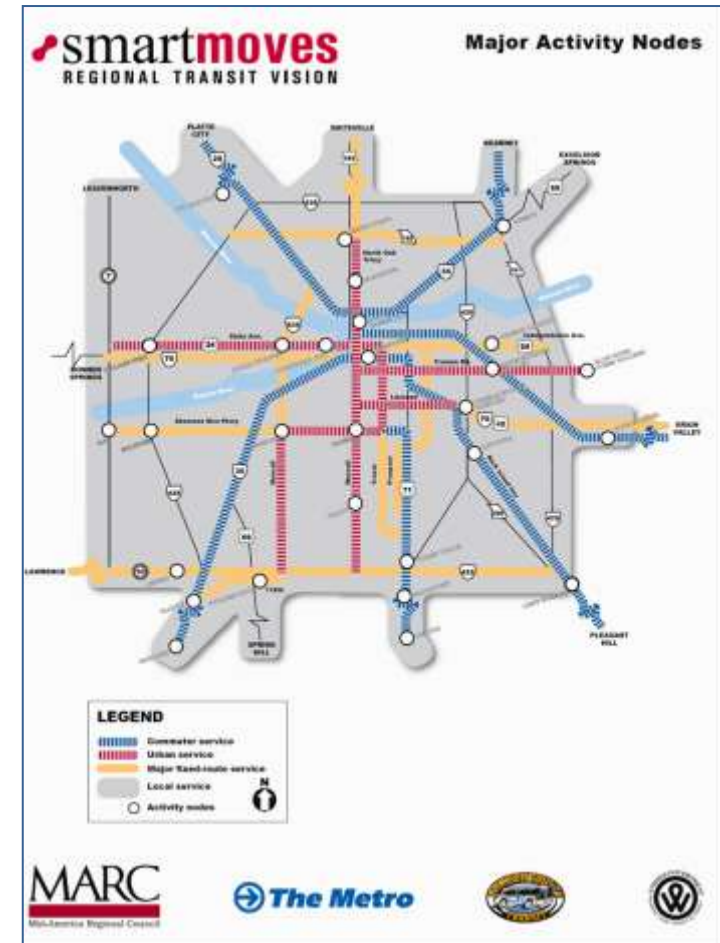
- **Non-voting Member of MARC Board**
- **ATA Staff on MARC (MPO) Committees**
- **Transit Data for Specific Highway Projects**
- **Increasingly Involved in Broader Planning Efforts**



Enhancing Collaboration

Increase Transit Inclusion

- All Levels of Planning
 - Project & Corridor Level
 - Regional Plans
 - Long Range Plans
- Multiple “Transit” Entities



Enhancing Collaboration

- **Education & Exposure**
 - Joint Effort of Transit, DOT, MARC
 - Transit, TOD, Land Use
- **Involve Suburban Officials & Developers**



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